

Jones, Maude

159192

my

**From:** Gibbs, Terra  
**Sent:** Wednesday, July 13, 2005 1:47 PM  
**To:** Jones, Maude  
**Subject:** FW: Please compare these two sequences... PLEASE RUSH

RE: USSN 09/918,026

-----Original Message-----

**From:** Fredman, Jeffrey  
**Sent:** Wednesday, July 13, 2005 6:10 AM  
**To:** STIC-Biotech/ChemLib  
**Cc:** Gibbs, Terra  
**Subject:** FW: Please compare these two sequences... PLEASE RUSH

PLEASE RUSH.

I Approve.

Jeff Fredman

-----Original Message-----

**From:** Gibbs, Terra  
**Sent:** Tuesday, July 12, 2005 5:29 PM  
**To:** Fredman, Jeffrey  
**Subject:** Please compare these two sequences... PLEASE RUSH

Jeff, I need this sequence search comparison RUSHED! I need this to support a 103 rejection and didn't realize it til now... This case is due this biweek.  
The two sequences are only 1561 and 1981 nucleotides in length.

Please compare GenBank Accession Number AF099031 with AF059203.

*Terra Cotta Gibbs, Ph.D.  
Art Unit 1635  
Remsen Building 2D10  
Mailbox 2C18  
571-272-0758*

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model:

Run on: July 14, 2005, 16:47:20 ; Search time 2 Seconds  
(without alignments)  
3.201 Million cell updates/sec

Title: AF099031  
Perfect score: 1569  
Sequence: 1 ATGGAGCCAGCGGGGCGG.....CTTGGTCTGCCATACCTAG 1569

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 0.5

Searched: 1 seqs, 2040 residues

Total number of hits satisfying chosen parameters: 2

Minimum DB seq length: 0  
Maximum DB seq length: 200000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1 summaries

Database : af059203.gb\_pr.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	1564.2	99.7	2040	1 AF059203	ACCESSION:AF059203

ALIGNMENTS

RESULT 1  
AF059203  
LOCUS Homo sapiens acyl coenzyme A:cholesterol acyltransferase 2 mRNA, complete cds.  
DEFINITION AF059203  
VERSION AF059203.1 GI:3746534  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 2040)  
Oelkers,P., Behari,A., Cromley,D., Billheimer,J.T. and Sturley,S.L. Characterization of two human genes encoding acyl coenzyme A:cholesterol acyltransferase-related enzymes  
J. Biol. Chem. 273 (41), 26765-26771 (1998)  
JOURNAL MEDLINE  
PUBMED 98434592  
REFERENCE 2 (bases 1 to 2040)  
Oelkers,P., Cromley,D., Behari,A., Billheimer,J.T. and Sturley,S.L. Direct Submission  
TITLE Submitted (13-APR-1998) Human Nutrition, Columbia University, 630 W. 168th Street, New York, NY 10032, USA  
JOURNAL  
LOCATION/Qualifiers  
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Query Match	99.7%;	Score 1564.2;	DB 1;	Length 2040;
Best Local Similarity	99.8%;	Pred. No. 0;		
Matches 1566;	Conservative 0;	Mismatches 3;	Indels 0;	Gaps 0;
QY	1	ATGGAGCCAGGGGGCGGCTCTGCGCTCTGCAGAGGACAGAGGGCTGGAGGGAGCGG	60	
DB	52	ATGGAGCCAGGGGGCGGCTCTGCGCTCTGCAGAGGACAGAGGGCTGGAGGGAGCGG	111	
QY	61	GAGCGCCAAACCTGTGGAGATGGAAACACTTGAGACGACAGAGCCCCGGACTTGGTACAA	120	
DB	112	GAGCGCCAAACCTGTGGAGATGGAAACACTTGAGACGACAGAGCCCCGGACTTGGTACAA	171	
QY	121	TGGACCCGACACATGAGAGGCTGTGAAGGACAAATTGCTGGAGCAAGCGCAGGACAACTG	180	
DB	172	TGGACCCGACACATGAGAGGCTGTGAAGGACAAATTGCTGGAGCAAGCGCAGGACAACTG	231	
QY	181	AGGGAGCTGCTGGATCGGGCCATCGGGAGGCTTATACATCTTACCCATCACAAAGACAAA	240	
DB	232	AGGGAGCTGCTGGATCGGGCCATCGGGAGGCTTATACATCTTACCCATCACAAAGACAAA	291	
QY	241	CCTCTGCCCCACCTCCCCCAGGTTCTTCTTGAGCAGGACCCAGGAGCCATCCCTGGGGAAA	300	
DB	292	CCTCTGCCCCACCTCCCCCAGGTTCTTGGACGAGACCAGGAGCCATCCCTGGGGAAA	351	
QY	301	CAGAAAGTTTTCATCATCCGCAAGTCCCTGCTTGTAGAGTGTGAGAGTGCAGCAATTTC	360	
DB	352	CAGAAAGTTTTCATCATCCGCAAGTCCCTGCTTGTAGAGTGTGAGAGTGCAGCAATTTC	411	
QY	361	CGCACCATCTACACATGTTTCATCGCTGGCCCTGTGTGTTCTTCATCATCAGCACCCCTGGCC	420	
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QY	421	ATCGACTTCATTGATGAGGCGCAGGCTGCTGCTGGAGTTTGACCTACTGATCTTTCAGCTTC	480	
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QY	481	GGACAGCTGCCAATTGGCGCTGTGTGACCTGGGTGCCCATGTTTCTGTGCCACCTGTGGCG	540	
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QY	541	CCGTACAGGCGCTTACGGCTGTGGGCCAGGGGACCTGGAGCGAGCGGCGCTGGGC	600	
DB	592	CCGTACAGGCGCTTACGGCTGTGGGCCAGGGGACCTGGAGCGAGCGGCGCTGGGC	651	
QY	601	TGTGCGCTTTTAGCCGCCAGCCGCTGTGTGCTCTGCGCGCTGCGCGCTCCAGCTGGCCGTG	660	
DB	652	TGTGCGCTTTTAGCCGCCAGCCGCTGTGTGCTCTGCGCGCTGCGCGCTCCAGCTGGCCGTG	711	
QY	661	GAGCATCAGCTCCCGCGGCGCTCCCGTTGTGTGCTCTGCTGTTTCGAGCAGGTAGGTCTCG	720	
DB	712	GAGCATCAGCTCCCGCGGCGCTCCCGTTGTGTGCTCTGCTGTTTCGAGCAGGTAGGTCTCG	771	

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Qy 721 ATGAAAGCTACTCTCTCTGAGAGAGCTGTGCTGGGATCCTTCGTGCCAGACGAGGT 780
Db |||||
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Search completed: July 14, 2005, 16:47:22  
Job time : 2 secs